Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/12/2022 08:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124970	-1	1.52	124927	1.51
Blue	F	SSC	125000	124383	-1	2.8	124959	2.76
Blue	E	FITC	13602	13352	-2	2.37	373	13.63
Blue	D	PE	24891	24528	-2	1.77	584	10.17
Blue	B	PerCP-Cy5-5	33972	33329	-2	3.05	954	14.67
Blue	A	PE-Cy7	22865	22618	-2	4.97	473	30.46
Red	C	APC	47198	47063	-1	2.55	1626	11.18
Red	A	APC-Cy7	26454	25603	-4	3.01	725	12.05
Violet	B	V450	6737	6465	-5	3.78	451	11.69
Violet	A	V500	29317	28442	-3	3.28	975	8.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24065	2.57	563	28	N/A	N/A	Pass
Blue	F	SSC	55947	2.12	518	-3	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0406	51	Pass
Blue	D	PE	113	39.41	489	3	0.4995	417	Pass
Blue	B	PerCP-Cy5-5	151	41.96	582	3	0.0209	125	Pass
Blue	A	PE-Cy7	78	80.87	624	3	0.0224	5	Pass
Red	C	APC	341	25.58	573	1	0.0303	235	Pass
Red	A	APC-Cy7	135	34.11	549	-2	0.0067	1354	Pass
Violet	B	V450	77	48.77	448	-2	0.0575	2630	Pass
Violet	A	V500	114	35.42	468	-1	0.0249	1598	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.11	-31.85	1.02
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	17.11	13.90 - 20.86	N/A	N/A	30.19	30.54	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13070

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments